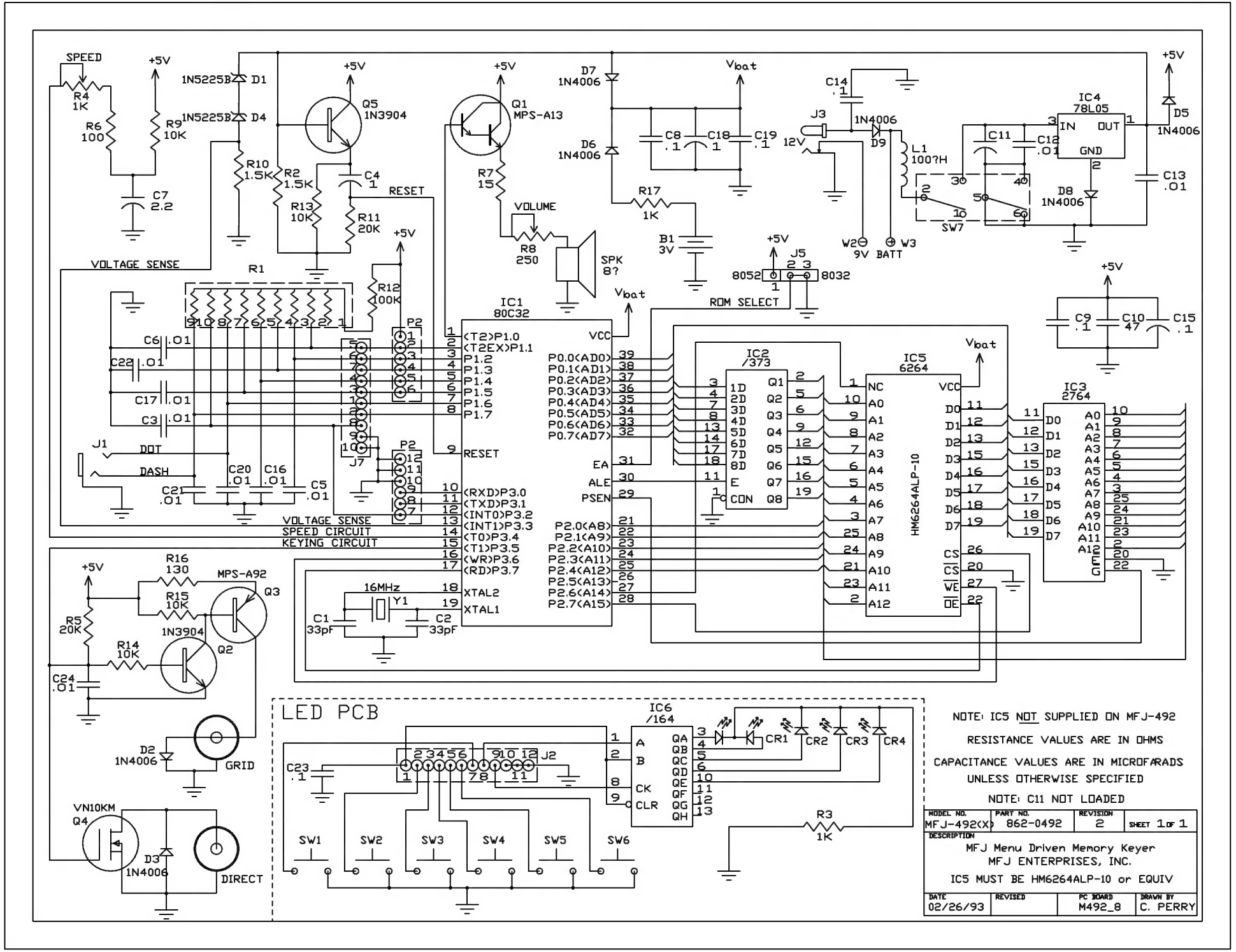
SPEED
+5V
R4 1K
R6 100
R9 10K
C7 2.2
1N5225B D1
1N5225B D4
R10 1.5K
R2 1.5K
R13 10K
R11 20K
C4 1
RESET
Q5 1N3904
Q1 MPS-A13
R7 15
VOLUME
R8 250
SPK 8?
D7 1N4006
D6 1N4006
R17 1K
B1 3V
Vbat
C8 .1
C18 1
C19 .1
J3
12V
C14 .1
1N4006 D9
L1 100?H
W2 9V BATT
W3 BATT
IC4 78L05
IN OUT GND
C11
C12 .01
C13 .01
D5 1N4006
D8 1N4006
SW7
J5
8052 8032
ROM SELECT
VOLTAGE SENSE
R1
R12 100K
C6 .01
C22 .01
C17 .01
C3 .01
J1
DOT
DASH
C20 .01
C16 .01
C5 .01
C21 .01
P2
J7
IC1 80C32
VCC
(T2)P1.0
(T2EX)P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
RESET
(RXD)P3.0
(TXD)P3.1
(INT0)P3.2
(INT1)P3.3
(T0)P3.4
(T1)P3.5
(WR)P3.6
(RD)P3.7
XTAL2
XTAL1
P0.0(AD0)
P0.1(AD1)
P0.2(AD2)
P0.3(AD3)
P0.4(AD4)
P0.5(AD5)
P0.6(AD6)
P0.7(AD7)
EA
ALE
PSEN
P2.0(A8)
P2.1(A9)
P2.2(A10)
P2.3(A11)
P2.4(A12)
P2.5(A13)
P2.6(A14)
P2.7(A15)
IC2 /373
1D 2D 3D 4D 5D 6D 7D 8D
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
E
CON
IC5 6264
HM6264ALP-10
NC A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12
VCC
D0 D1 D2 D3 D4 D5 D6 D7
CS CS WE OE
C9 .1
C10 47
C15 .1
IC3 2764
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12
D0 D1 D2 D3 D4 D5 D6 D7
E G
VOLTAGE SENSE
SPEED CIRCUIT
KEYING CIRCUIT
16MHz
Y1
C1 33pF
C2 33pF
R16 130
MPS-A92
Q3
R15 10K
R5 20K
1N3904
Q2
R14 10K
C24 .01
D2 1N4006
GRID
VN10KM
Q4
D3 1N4006
DIRECT
LED PCB
IC6 /164
A B CK CLR
QA QB QC QD QE QF QG QH
J2
C23 .1
SW1 SW2 SW3 SW4 SW5 SW6
CR1 CR2 CR3 CR4
R3 1K
NOTE: IC5 NOT SUPPLIED ON MFJ-492
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
UNLESS OTHERWISE SPECIFIED
NOTE: C11 NOT LOADED
MODEL NO. MFJ-492(X)
PART NO. 862-0492
REVISION 2
SHEET 1 OF 1
DESCRIPTION
MFJ Menu Driven Memory Keyer
MFJ ENTERPRISES, INC.
IC5 MUST BE HM6264ALP-10 or EQUIV
DATE 02/26/93
REVISED
PC BOARD M492_8
DRAWN BY C. PERRY